

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) A power tool, comprising:

a cutting tool;

a motor for driving the cutting tool;

means for detecting the location of objects moving within a predetermined area in the vicinity of the cutting tool and for detecting the speed of approach of the objects towards the cutting tool; and

a processor in communication with the detecting means, wherein the processor determines whether the object detected by the detecting means has a predetermined positional relationship relative to the cutting tool and determines whether the detected speed exceeds a predetermined value.
2. (Original) A power tool as in Claim 1, further comprising a table, wherein a portion of the cutting tool protrudes above the table, wherein the cutting tool cuts the work positioned on an upper face of the table.
3. (Original) A power tool as in Claim 1, wherein the processor stops the motor when the processor determines that the object detected by the detecting means has the predetermined positional relationship relative to the cutting tool and that the detected speed exceeds the predetermined value.

4. (Original) A power tool as in Claim 1, wherein the detecting means comprises a radar for transmitting radio waves towards the predetermined area and for receiving waves reflected therefrom.
5. (Original) A power tool as in Claim 4, wherein the radar is disposed in a position such that the cutting tool is sandwiched therebetween, and such that the radar faces the operator.
6. (Original) A power tool as in Claim 4, wherein the frequency of the radio waves transmitted from the radar is 1 GHz or above.
7. (Original) A power tool as in Claim 6, wherein the frequency of the radio waves transmitted from the radar is within the range of 10 ~ 30 GHz.
- 8-19. (Cancelled)